



Disabled Access Regulations Pedestrian Ramps

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INFORMATION
BULLETIN
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NOTE: Any path of travel shall be considered a Ramp if its slope is greater than 1' rise in 20' of horizontal run. Sec. 1133B.5.1.

The maximum slope of a ramp that serves any exitway, provides access for persons with disabilities or is in the path of travel shall be 1' rise in 12' of horizontal run. **Sec. 1133B.5.3.**

The cross slope of ramp surfaces shall be no greater than 1:50. **Sec. 1133B.5.3.1.**

Pedestrian ramps serving primary entrances shall have minimum width of 48". **Sec. 1133B.5.2.2.**

Pedestrian ramps serving primary entrances to buildings having an occupant load of 300 or more shall have a minimum clear width of 60". **Sec. 1133B.5.2.2.**

Ramps serving Group R occupancies may be 36" clear width when the occupant load is 50 or less. **Sec. 1133B.5.2.**

Ramps not serving primary entrances to building must have width as required for exits and stairs. **Sec. 1133B.5.2.**

Landing shall be provided at the top and bottom of each ramp. **Sec. 1133B.5.4.1 & Fig. 11B-38.**

Intermediate landings shall be provided at intervals not exceeding 30" of vertical rise and at each change of direction. **Sec. 1133B.5.4.1 & Fig. 11B-38.**

Top landings shall be not less than 60" wide and shall have a length of not less than 60" in the direction of ramp run. **Sec. 1133B.5.4.2 & Fig. 11B-38.**

Doors in any position shall not reduce the minimum dimension of the ramp landing to less than 42" and shall not reduce the required width by more than 7" when fully open. **Sec. 1003.3.4.4 & Fig. 11B-39.**

The width of the landing shall extend 24" past the strike edge of any door or gate for exterior ramps and 18" past the strike edge for interior ramps. **Sec. 1133B.5.4.4 & Fig. 11B-39.**

At bottom and intermediate landings, the width shall be at least the same as required for the ramp. **Sec. 1133B.5.4.5 & Fig. 11B-38.**

Bottom and intermediate landings at a change of direction in excess of 30 degrees shall have a dimension in the direction of

ramp run of not less than 72" to accommodate the handrail extension. **Sec. 1133B.5.4.6, Fig. 11B-38 (b) & 11B-39 (a).**

Intermediate landings with a change of direction of 30 degrees or less shall have a dimension in the direction of ramp run of not less than 60 inches (1524 mm). **Sec. 1133.5.4.7 & Fig. 11B-38 (a).** Ramp landings are not considered in determining the maximum horizontal distance of each ramp. **Sec. 1133B.5.4.1.**

Handrails are required on ramps that are part of the path of travel, except that at exterior door landings, handrails are not required on ramps less than six inches rise or 72" in length. **Sec. 1133B.5.5.1.**

Handrails shall be placed on each side of each ramp, shall be continuous the full length of the ramp, shall be 34" to 38" above the ramp, shall extend a minimum of 1' beyond top and bottom of the ramp, and the ends shall be returned. **Sec. 1133B.5.5.1, Fig. 11B-27 (b) & (c).**

The grip portion of the handrails shall be not less than 1-1/4" nor more than 1-1/2", or the shape shall provide an equivalent gripping surface, and all surfaces shall be smooth with no sharp corners. Handrails shall not rotate within their fittings. **Sec. 1133B.5.5.1 & Fig. 11B-36.**

Handrails projecting from a wall shall have a space 1-1/2" between the wall and the handrail. **Sec. 1133B.5.5.1 & Fig. 11B-36.**

Handrails may be located in a recess if the recess is a maximum of 3" deep and extends at least 18" above the top of the rail. **Sec. 1133B.5.5.1 & Fig. 11B-36 (b).**

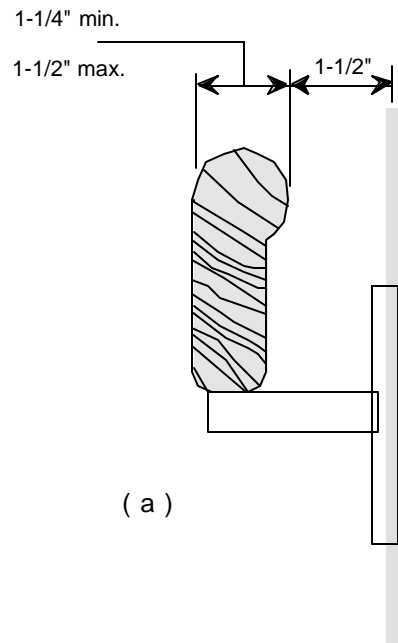
Any wall or other surface adjacent to the handrails shall be free of sharp or abrasive elements. Edges shall have a minimum radius of 1/8". **Sec. 1133B.5.5.1 & Fig. 11B-36 (c).**

Where the ramp surface is not bounded by a wall or fence and the ramp exceeds 10' in length, the ramp shall comply with one of the following requirements: **Sec. 1133B.5.6, Fig. 11B-27 (b) & (c).**

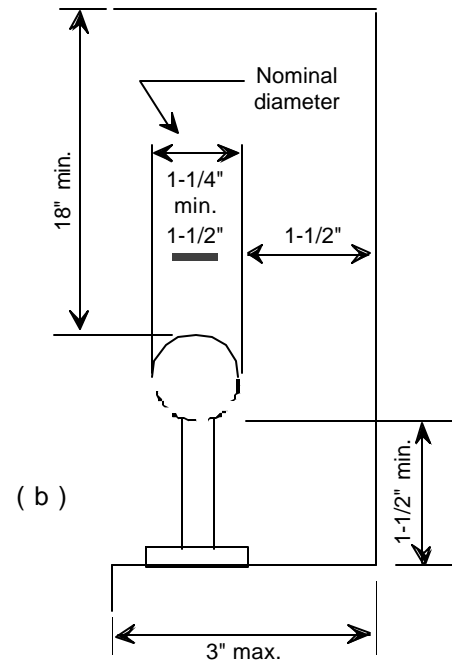
A guide curb a minimum of 2" in height shall be provided at each side of the ramp
or

A wheel guide rail shall be provided, centered 3" ± 1" above the surface of the ramp.

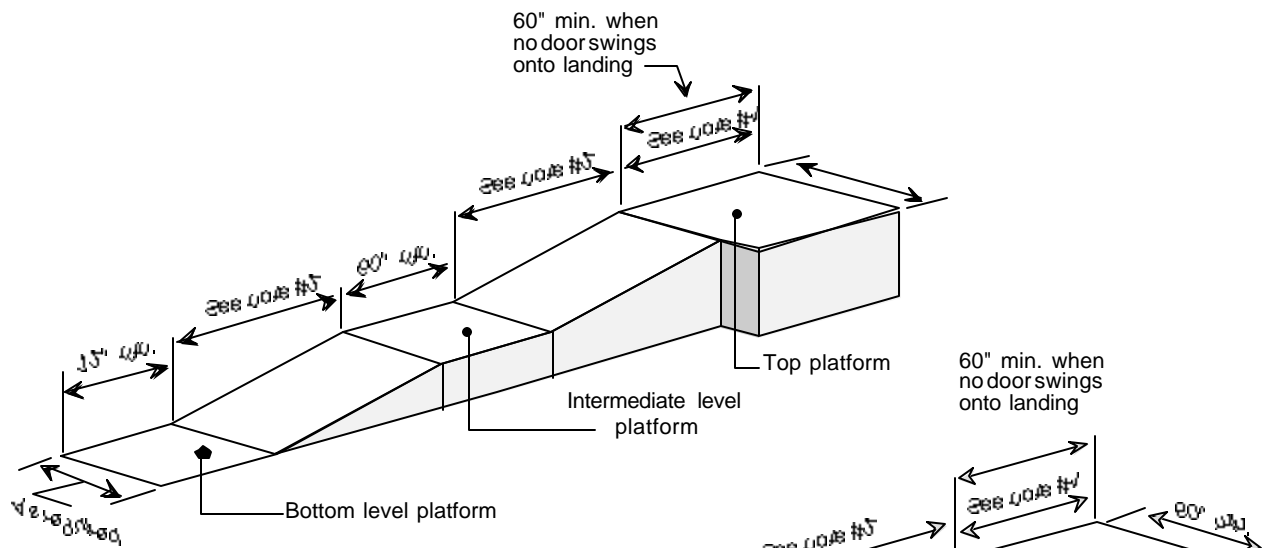
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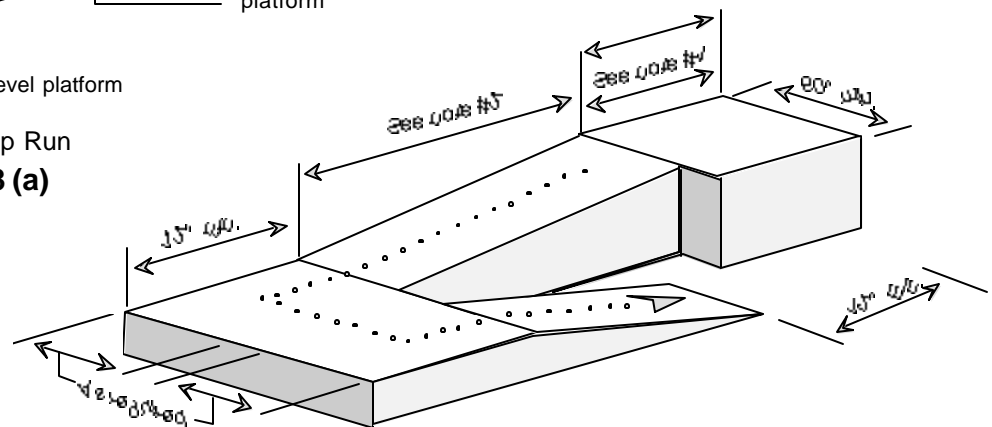
(a)



(b)

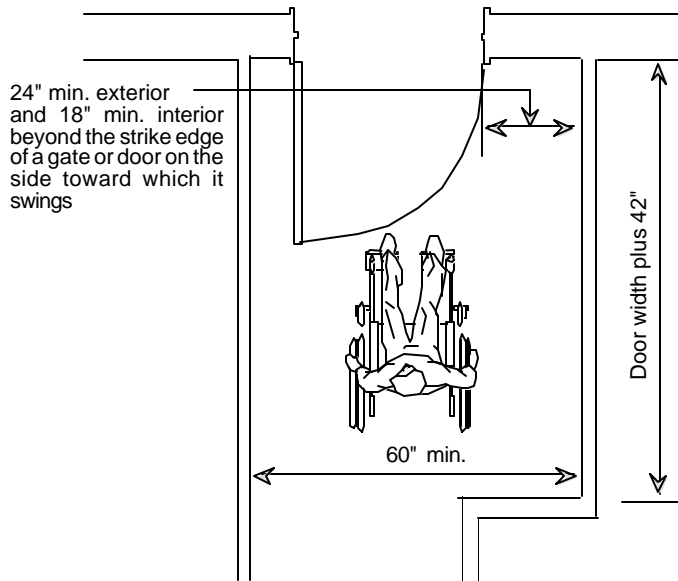
Figure 11B-36

(a) Straight Ramp Run

Figure 11B-38 (a)

(b) Ramp With Intermediate Switchback Platform

Figure 11B-38 (b)



(b) Ramp Landing at Doorway
Figure 11B-39 (b)

NOTES

Note #1: When door swings onto landing – 42" min. plus door width.

Note #2: Maximum horizontal distance of each ramp and run vary.

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